



**INFORMATION DISCLOSURE
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APPLICANT(S)
Robert et al.

FILING DATE
November 28, 2003

GROUP
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U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE*
/S.A./	6,105,572	August 22, 2000	Shaffer et al.			
	6,041,777	March 28, 2000	Faithfull et al.			
	5,706,830	January 13, 1998	Parker			
	5,540,225	July 30, 1996	Schutt			
	5,655,521	August 12, 1997	Faithfull et al.			
	4,232,665	November 11, 1980	Vaseen			
	6,166,092	December 26, 2000	Sekins et al.			
	5,853,003	December 29, 1998	Faithfull et al.			
	5,490,498	February 13, 1996	Faithfull et al.			
	5,788,665	August 4, 1998	Sekins			
	5,707,352	January 13, 1998	Sekins et al.			
	5,590,651	January 7, 1997	Shaffer et al.			
	5,562,608	October 8, 1996	Sekins et al.			
	5,492,109	February 20, 1996	Hirschl et al.			
	5,437,272	August 1, 1995	Fuhrman			
	5,335,650	August 9, 1994	Shaffer et al.			
	5,226,727	July 13, 1993	Reichner			
	5,158,536	October 27, 1992	Sekins et al.			
	5,531,219	July 2, 1996	Rosenberg			
	4,758,431	July 19, 1988	Osterholm			
/S.A./	6,241,945	June 5, 2001	Owen			

U. S. PATENT APPLICATION DOCUMENTS

EXAMINER INITIAL	APPL. PUBLICATION NUMBER	PUBLICATION DATE	NAME	CLASS	SUBCLASS	FILING DATE
	US 2002/0023640	February 28, 2002	Nightengale			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE (M/D/Y)	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
/S.A./	WO 99/62626	December 9, 1999	WO			N/A	
↓	WO 93/09833	May 27, 1993	WO			N/A	
	CA 2,035,492	March 27, 2001	CA			N/A	
	ES 2 154 596	April 1, 2001	ES			YES*	
	WO 97/19719	June 5, 1997	WO			N/A	
	WO 92/19232	November 12, 1992	WO			N/A	
	WO 91/03267	March 21, 1991	WO			N/A	
	WO 94/08652	April 28, 1994	WO			N/A	
↓	WO 97/32621	September 12, 1997	WO			N/A	
	WO 99/24100	May 20, 1999	WO			N/A	
/S.A./	WO 99/52621	October 21, 1999	WO			N/A	

* English translation of abstract only.

OTHER DOCUMENTS

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
/S.A./	Hirschl et al. "Evaluation of gas exchange, pulmonary compliance, and lung injury during total and partial liquid ventilation in the acute respiratory distress syndrome," <i>Critical Care Med.</i> 24, (1996), pp. 1001-1008 [15 sheets];
↓	Pedneault et al. "Total liquid ventilation using a modified extra-corporeal gas exchange circuit: preliminary results in lambs," [abstract], <i>Pediatr Pulmonol Suppl.</i> 18, (1999), p. A241;
	Hirschl et al. "Liquid ventilation in adults, children and full-term neonates," <i>The Lancet.</i> 346, (1995), pp. 1201-1202 [4 sheets];
	Shaffer et al. "The effects of liquid ventilation on cardiopulmonary function in preterm lambs," <i>Pediatr Res</i> 17, (1983), pp. 303-306;
	Wolfson et al. "Comparison of gas and liquid ventilation: clinical, physiological, and histological correlates," <i>J Appl Physiol.</i> 72, (1992), pp. 1024-1031;
	Clark et al. "Survival of mammals breathing organic liquids equilibrated with oxygen at atmospheric pressure," <i>Science</i> , 152, (1966) pp. 1755-1756;
↓	Wolfson et al. "Liquid-assisted ventilation: an alternative respiratory modality," <i>Pediatr Pulmonol.</i> 26, (1998), pp. 42-63;
	Wolfson et al. "Pulmonary administration of vasoactive substances by perfluorochemical ventilation," <i>Pediatrics.</i> 97, (1996) pp. 449-455 [13 sheets];
/S.A./	Sekins et al. "Recent innovations in total liquid ventilation system and component design," <i>Biomed Instrum Technol.</i> 33, (1999), pp. 277-84;

EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
/S.A./		Larrabe et al. "Development of a time-cycled volume-controlled Pressure-limited respirator and lung mechanics system for total liquid ventilation," <i>IEEE Transactions on Biomedical Engineering</i> . 48, (2001), pp. 1134-1144;
		Wolfson et al. "Multifactorial analysis of exchanger efficiency and liquid conservation during perfluorochemical liquid-assisted ventilation," <i>Biomed Instrum Technol</i> . 33, (1999), pp. 260-267;
		Shaffer et al. "Perfluorochemical liquid as a respiratory medium," <i>Art Cells Blood Subs Immob Biotech</i> 22, (1994), pp. 315-326 [abstract only] [2 sheets];
		Fuhrman et al. "Perfluorocarbon-associated gas exchange," <i>Critical Care Med</i> . Vol. 19, No. 5, (1991), pp. 712-722;
		Philips et al. "On-line techniques for perfluorochemical vapor sampling and measurement," <i>Biomed Instrum Technol</i> . 33, (1999), pp. 348-355;
		Libros et al. "A perfluorochemical loss/restoration (l/r) system for tidal liquid ventilation," <i>Biomed Instrum Technol</i> . 34, (2000), pp. 351-360;
		Leach et al. "Partial liquid ventilation with perflubron in premature infants with severe respiratory distress syndrome," <i>The New England J of Med</i> , Vol. 335(11), (1996) pp. 761-767 [15 sheets];
		Hirschl et al. "Development and application of a simplified liquid ventilator," <i>Critical Care Med</i> . Vol. 23(1), (1995) pp. 157-163 [9 sheets];
		Meinhardt et al. "Development and application of a double-piston configured, total-liquid ventilatory support device," <i>Critical Care Med</i> . Vol. 28(5), (2000) pp. 1483-1488 [11 sheets];
		Heckman et al. "Software for real-time control of a tidal liquid ventilator," <i>Biomed Instrum Technol</i> . 33, (1999) pp. 268-276;
		Cox et al. "Liquid ventilation a comprehensive overview," <i>Neonatal Network</i> Vol. 15, No. 3, (1996) pp. 31-43;
/S.A./		Degraeuwe et al. "A feedback controller for the maintenance of FRC during tidal liquid ventilatory: theory, implementation, and testing," <i>The Int'l J of Artificial Organs</i> , Vol. 23, No. 10, (2000) pp. 680-688;

EXAMINER	/Shumaya Ali/	DATE CONSIDERED	10/01/2007
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			